

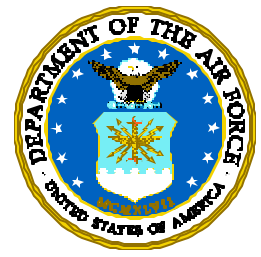


# 10th Annual Executive Forum on Modeling & Simulation

30 May 2001

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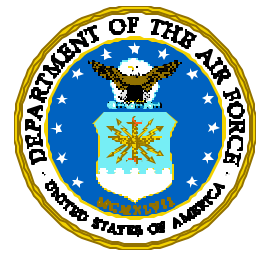


# A Decade of Change



- **Across-the-board cuts in forces & budgets**
- **Major geo-political upheaval**
- **Information Technology revolution**
- **Internet as a basic fact of life**



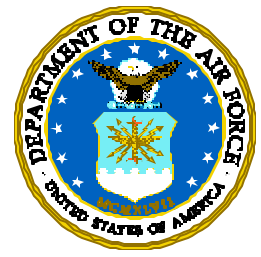


# A Decade of Change



- 100 military operations worldwide
- Few forward deployed forces
- Reliance on Allies
- New type of adversaries
- Persistent, accelerating change



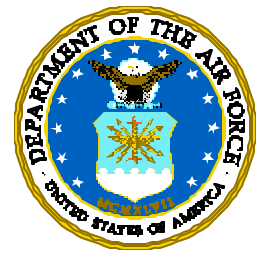


# New Imperatives



- **Smaller, open acquisition programs**
- **Continuous joint requirements development**
- **New partnering mechanisms with industry**

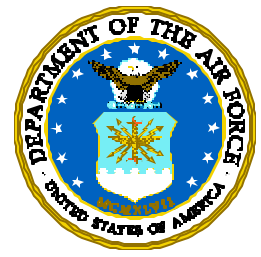
**Institutionalize innovation & agility for mission success**



# Challenge of Space



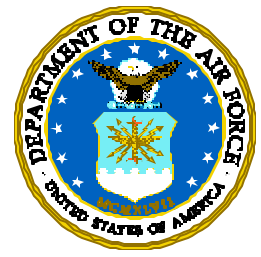
- **Space Commission Report**
  - **National Security depends on space operations**
    - **DoD and IC not well positioned to succeed**
  - **AF foster and embrace space culture**
    - **Commercial sector is critical**



# New Imperatives

- **Full-time cross-functional collaboration: WPC**
- **Scalable plug & play simulation tools**
- **Clear, enforceable standards**
- **Open, non-proprietary systems**
- **Joint Synthetic Battlespace**

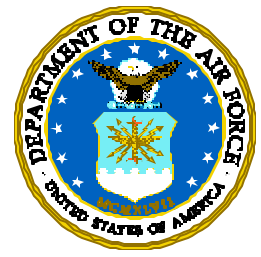




# Responsibilities

- **Military**
  - Set and enforce clear standards
  - Realistic operational requirements
- **Defense Industry**
  - Accept that requirements will change
  - Build open systems

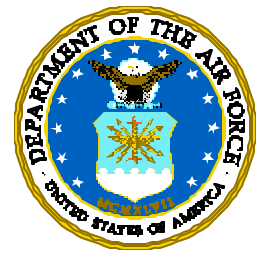




# Focus on Warfighters



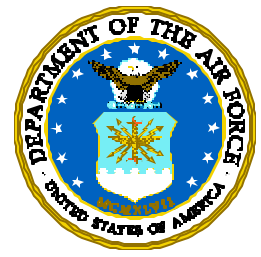
- Too little emphasis on warfighters' M&S needs
  - Joint & Component training objectives
    - Mission planning & rehearsal
      - DMSO's CINC requirements study



# Warfighters' Top Issues



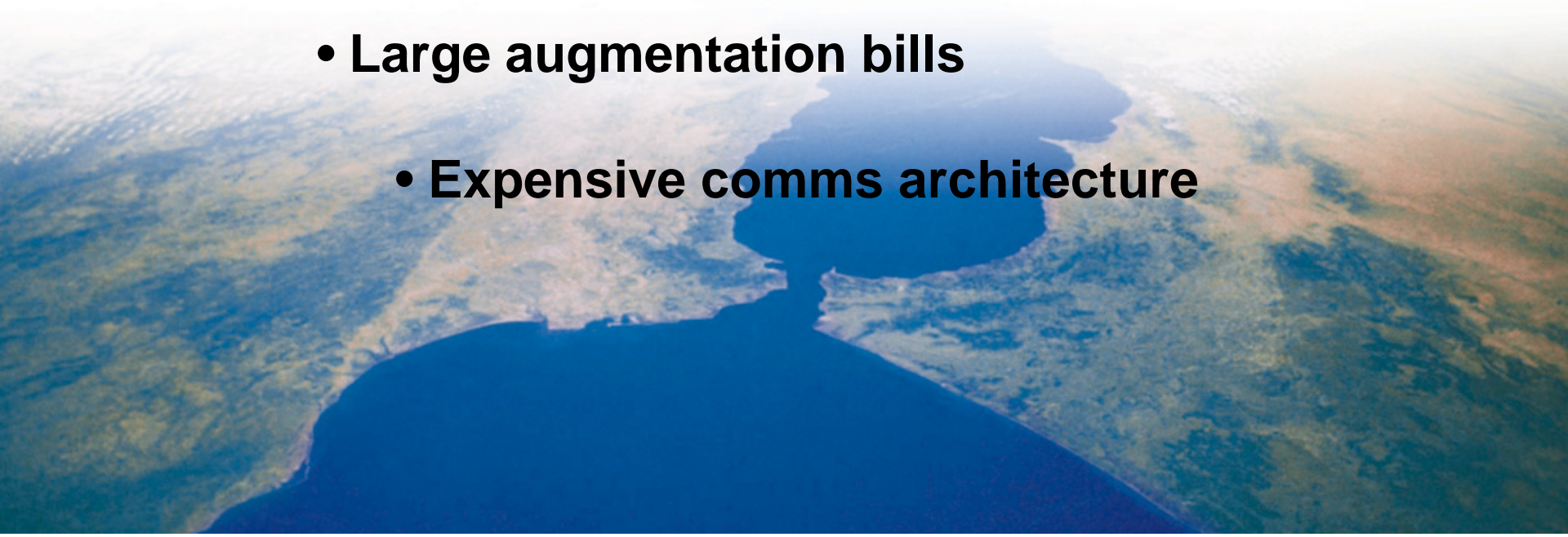
- **“Fearful Faith in JSIMS”**
  - **Concern over fielding plan and timeline**
  - **Continued support for legacy models**
    - **Get beta software to the field now**
    - **Can’t afford to screw it up**



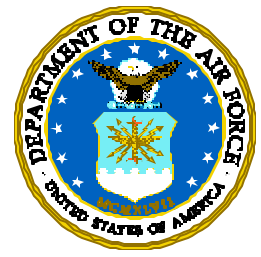
# Warfighters' Top Issues



- **Must cut cost of using Models & Simulations**
- **Complex database development**
- **Large augmentation bills**
- **Expensive comms architecture**





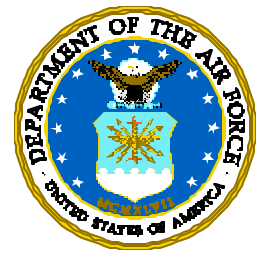


# Warfighters' Top Issues



- M&S tools must run on current C4I architecture
- Project REAL WARRIOR
  - Train on go-to-war processes & systems

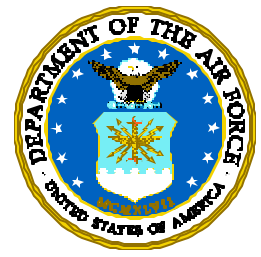




# Warfighters' Top Issues



- M&S education is important to everyone
- High personnel turnover--complex issues
- Exercise design & control
- Database development
- Must be teachers and salesmen



- **Exciting times**
- **Exciting mission**
- **Takes dedicated teamwork**





